

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: July 19, 2001, 15:44:05 ; Search time 394.23 Seconds
(without alignments)
3103.415 Million cell updates/sec

Title: US-08-956-991-1

Perfect score: 6604
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents.NA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
1	541	8.2	1493	2	US-08-752-307B-6
2	73.4	1.1	320	4	US-09-165-264-7
3	73.4	1.1	152331	4	US-09-128-155-16
4	72.4	1.1	320	4	US-09-165-264-13
5	69.8	1.1	320	4	US-09-165-264-14
6	69	1.0	318	4	US-09-165-264-12
7	69	1.0	319	4	US-09-165-264-8
8	69	1.0	320	4	US-09-165-264-11
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11	66.4	1.0	6000	2	US-09-158-657-6
12	66.4	1.0	6000	5	PCT-US94-10166-6
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18	62	0.9	4257	4	US-08-843-659-1
19	62	0.9	12001	1	US-08-458-568A-11
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21	61.6	0.9	4403	2	US-08-447-642-1
22	61.6	0.9	4403	5	PCT-US93-02147A-1
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25	59.4	0.9	4257	2	US-08-690-473-1
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28	59.4	0.9	12001	1	US-08-458-568A-11	Sequence 11, Appl
29	58.8	0.9	44377	2	US-08-804-227C-7	Sequence 7, Appl
30	58.8	0.9	44377	2	US-08-804-198-1	Sequence 1, Appl
31	57.4	0.9	1743	3	US-08-665-259-20	Sequence 20, Appl
32	57.4	0.9	1743	3	US-08-762-500-20	Sequence 20, Appl
33	57.4	0.9	1974	3	US-08-762-500-78	Sequence 78, Appl
34	57.4	0.9	6803	3	US-08-665-259-19	Sequence 19, Appl
35	57.4	0.9	6803	3	US-08-762-500-19	Sequence 19, Appl
36	57.2	0.9	1548	2	US-08-762-106-5	Sequence 5, Appl
37	57.2	0.9	1581	2	US-08-762-106-6	Sequence 6, Appl
38	56.8	0.9	2538	4	US-08-899-437-1	Sequence 1, Appl
39	56.6	0.9	1292	4	US-08-483-533-37	Sequence 37, Appl
40	56.6	0.9	2823	1	US-08-398-008A-1	Sequence 1, Appl
41	56.6	0.9	2823	2	US-08-893-333-1	Sequence 1, Appl
42	56.2	0.9	53526	3	US-08-658-136-2	Sequence 2, Appl
43	56.2	0.9	53577	3	US-08-658-136-1	Sequence 1, Appl
44	56	0.8	1611	3	US-08-909-742-2	Sequence 2, Appl
45	55.6	0.8	43280	2	US-08-804-227C-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-752-307B-6
Sequence 6, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Geating, David P.
APPLICANT: Levinson, Douglas A.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Melkejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/020001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 99...1493
US-08-752-307B-6


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seq_documentation_block:
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? Patent No. 6235872
? GENERAL INFORMATION:
? APPLICANT: Bredesen, J. E.
? TITLE OF INVENTION: R. bizadeh, shartoz
? TITLE OF INVENTION: Proanoplic Peptides, Dependence
? NUMBER OF SEQUENCES: 72
? CORRESPONDENCE ADDRESS:
? ADDRESS: Campbell & Flores LLP
? STREET: 4370 La Jolla Village Drive, Suite 700
? CITY: San Diego
? STATE: California
? COUNTRY: United States
? ZIP: 92122
? COMPUTER READABLE FORM:
? MEDIUM TYPE: floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/041,886
? FILING DATE:
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: Campbell, Cathryn A.
? REGISTRATION NUMBER: 31,815
? REFERENCE/DOCKET NUMBER: P-LJ 2626
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (619) 535-9001
? TELEFAX: (619) 535-8949
? INFORMATION FOR SEQ ID NO: 24:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 4608 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: July 17, 2001, 15:11:36 ; Search time 27.66 Seconds
(without alignments)
1391.043 Million cell updates/sec

Title: US-08-956-991-2

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Total number of hits satisfying chosen parameters: 193259

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	829	8.3	1447	5	PCT-US94-05277-2 Sequence 2, Appl1
5	717.5	7.2	1018	1	US-08-408-093-6 Sequence 6, Appl1
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9	705	7.1	1018	1	US-08-452-052-2 Sequence 2, Appl1
10	665.5	6.7	1911	1	US-08-348-006B-5 Sequence 5, Appl1
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12	665.5	6.7	1911	4	US-09-158-657-5 Sequence 5, Appl1
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18	411	4.1	612	2	US-08-752-307B-11 Sequence 13, Appl1
19	391	3.9	596	2	US-08-752-307B-13 Sequence 9, Appl1
20	390	3.9	605	2	US-08-752-307B-9 Sequence 8, Appl1
21	386	3.8	605	2	US-08-752-307B-8 Sequence 2, Appl1
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24	349	3.4	611	2	US-08-153-799-16 Sequence 16, Appl1
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36	305	3.1	780	2	US-08-786-164-14 Sequence 5, Appl1
37	304.5	3.1	1311	1	US-08-340-011-5 Sequence 9, Appl1
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ALIGNMENTS

RESULT 1
US-08-752-307B-5
Sequence 5, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Gearling, David P.
APPLICANT: Levinson, Douglas A.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Pastseo for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Melk[e]john, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/020001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 465 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-752-307B-5

Query Match 14.7% Score 1459.5; DB 2: Length 465;
Best Local Similarity 57.1%; Pred. No. 1.8e-93;

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Matches 265; Conservative 81; Mismatches 117; Indels 1; Gaps 1;
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Db 301 GSAEYTGILMWIDPLVHTLTPKKLKTGISTVLISCALTSPEFTIRWIRNTELVLPEEA 360
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Db 421 PGEQFSLMCAKGAAPPTVWTALDDEPIVRDGSHTRNQYTMDSG 464

RESULT 2
US-08-752-307B-7
; Sequence 7, Application US/08752307B
; Patent No. 5952171
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Gearthy, David P.
; APPLICANT: Levinson, Douglas A.
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
; TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Fish & Richardson, P. C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: PASTISO for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/752.307B
; FILING DATE: 19-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Melkielejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 09404/020001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154

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1      INFORMATION FOR SEQ ID NO: 7:
2      SEQUENCE CHARACTERISTICS:
3          LENGTH: 462 amino acids
4          TYPE: amino acid
5          TOPOLOGY: linear
6      MOLECULE TYPE: protein
7      US-08-752-307B-7
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9      Query Match      14 6%:  Score 1451.5;  DB 2;  Length 462;
10     Best Local Similarity 57.1%;  Pred. No. 6.4e-93;
11     Matches 264;  Conservative 80;  Mismatches 117;  Indels 1;  Gaps 1;
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17     60  LATGEELIYDVGIRHVNPNKTTIQTFFPPSSSTTLLHNTTYCTAENPSSKRTISQDVHKK 119
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21     120  AVLERPYTVVEEQGKTRKGNVAVFNCIIPSSVEAYITVVSMEKDTVSLVSGSRFLTSTG 179
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23     121  AVFREPYTVVEEQSRMRCNVAFNCLIPSSQVEVSVVSMEKDTVSLDENRFITLYG 180
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25     180  ALYTKDVQNEGLYNTCTIRHRTYGETRQNSAALFVSDPANAPSILDGPFDRKRAMG 239
26         |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
27     181  GLYISDVQKEDALSTRTCTKHKYSGETRQNGARLSTDEAESIPILDFGFSQEVMAVG 240
28
29     240  QRYELPCKALGHEPYPRLKIDNMPLLETSGRFQKTVTGLLEINIRPDSGSYCEVSNRY 299
30         |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
31     241  HTVELPCTAGCYRIPALRMIKGRPLPADSRMTKKTITGLTSLDRLTDSGTYICEVNTPE 300
32
33     300  GTAQVITRLLYVKOPKATLISPRKVVSSVSGOVSLSGSTGTGEDELDLSYRNGELINPKN 359
34         |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
35     301  GSAEATGILNVIDPLVHTLTPTKKLKIGISIVLLSCALTGSPRETIIRYRNTLELVLEDA 360
36
37     360  VRIIGIHENIMIDHWKSMQSGYOCFVYKDKLSAQDYVQVVLVEDGTPKLIISAFSEKVS 419
38         |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
39     361  ISTIGLSNEILLITSAOKSISGATGCFATRKQKQYKQDAIALLADEGTPRIYVSSSEKVVN 420
40
41     420  PAEPVSLMCNVKCTPLPTITVTLDDDPILKGGSHRISQMTTS 461
42         |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
43     421  PGEQFSLMCAKGAAPPTVWALDDERIVRDCSHRTNOYWS 462
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45     RESULT      3
46     US-09-041-886-25
47     Sequence 25, Application US/09041886
48     Patent No. 6,235,872
49     GENERAL INFORMATION:
50     APPLICANT: Brahmsen, Dale E.
51     TITLE OF INVENTION: Protoproctic Peptides, Dependence
52     NUMBER OF INVENTION: Polypeptides and Methods of Use
53     NUMBER OF SEQUENCES: 72
54     CORRESPONDENCE ADDRESS:
55     ADDRESSEE: Campbell & Flores LLP
56     STREET: 4370 La Jolla Village Drive, Suite 700
57     CITY: San Diego
58     STATE: California
59     COUNTRY: United States
60     ZIP: 92122
61
62     COMPUTER READABLE FORM:
63     MEDIUM TYPE: Floppy disk
64     COMPUTER: IBM PC compatible
65     OPERATING SYSTEM: PC-DOS/MS-DOS
66     SOFTWARE: PatentIn Release #1.0, Version #1.25
67     CURRENT APPLICATION DATA:
68     APPLICATION NUMBER: US/09/041,886
69     FILING DATE:
70     CLASSIFICATION:
71     ATTORNEY/AGENT INFORMATION:

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 20, 2001, 00:37:00 ; Search time 394.23 Seconds
(without alignments)
3013.638 Million cell updates/sec

Title: US-08-956-991-10

Perfect score: 6413
Sequence: 1 tgactgagcgccgagcagcgcg.....gaaatgcacaatatatt 6413

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
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5: /cgnl_7/prodata/1/ina/PCTUS_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	73.4	1.1	152331	4	US-09-128-155-16
4	72.4	1.1	320	4	US-09-165-264-13
5	69.8	1.1	320	4	US-09-165-264-14
6	69	1.1	318	4	US-09-165-264-12
7	69	1.1	319	4	US-09-165-264-8
8	69	1.1	320	4	US-09-165-264-11
9	66.4	1.0	6000	1	US-08-348-006B-6
10	66.4	1.0	6000	2	US-08-800-825A-6
11	66.4	1.0	6000	4	US-09-158-657-6
12	66.4	1.0	6000	5	PCT-US94-10166-6
13	63	1.0	3507	2	US-08-775-009-36
14	62.2	1.0	801	2	US-08-770-379-16
15	62.2	1.0	801	4	US-08-757-669A-16
16	62	1.0	4257	2	US-08-690-473-1
17	62	1.0	4257	4	US-09-259-821A-1
18	62	1.0	4257	4	US-08-843-659-1
19	62	1.0	12001	4	US-08-458-568A-11
20	61.6	1.0	4403	2	US-08-284-941-1
21	61.6	1.0	4403	2	US-08-447-642-1
22	61.6	1.0	4403	5	PCT-US93-02147A-1
23	60.4	0.9	8438	1	US-07-845-283-1
24	60.2	0.9	1026	1	US-07-975-526-6
25	59.4	0.9	4257	2	US-08-690-473-1
26	59.4	0.9	4257	4	US-09-259-821A-1
27	59.4	0.9	4257	4	US-08-843-659-1

28	59.4	0.9	12001	1	US-08-458-568A-11	Sequence 11, Appl
29	58.8	0.9	44377	2	US-08-804-227C-7	Sequence 7, Appl
30	58.8	0.9	44377	2	US-08-804-198-1	Sequence 1, Appl
31	57.4	0.9	1743	3	US-08-665-259-20	Sequence 20, Appl
32	57.4	0.9	1743	3	US-08-762-500-20	Sequence 20, Appl
33	57.4	0.9	1974	3	US-08-762-500-78	Sequence 78, Appl
34	57.4	0.9	6803	3	US-08-665-259-19	Sequence 19, Appl
35	57.4	0.9	6803	3	US-08-762-500-19	Sequence 19, Appl
36	57.2	0.9	1548	2	US-08-762-106-5	Sequence 5, Appl
37	57.2	0.9	1581	2	US-08-762-106-6	Sequence 6, Appl
38	56.8	0.9	2538	4	US-08-899-437-1	Sequence 37, Appl
39	56.6	0.9	1292	4	US-08-483-533-37	Sequence 1, Appl
40	56.6	0.9	2823	1	US-08-398-008A-1	Sequence 1, Appl
41	56.6	0.9	2823	2	US-08-893-333-1	Sequence 1, Appl
42	56.2	0.9	53526	3	US-08-658-136-2	Sequence 2, Appl
43	56.2	0.9	53577	3	US-08-658-136-1	Sequence 1, Appl
44	56	0.9	1611	3	US-08-909-742-2	Sequence 2, Appl
45	55.6	0.9	43280	2	US-08-804-227C-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-752-307B-6
Sequence 6, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Gearing, David P.
APPLICANT: Levinson, Douglas A.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESS: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: A35
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Melkielehn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/020001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 99...1493
US-08-752-307B-6

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OM nucleic - nucleic search, using sw model

Run on: July 20, 2001, 00:35:17 ; Search time 394.23 Seconds
(Without alignments)
9.399 Million cell updates/sec

Title: US-08-956-991-5

Perfect score: 20

Sequence: 1 ccaattctcaagagcagcag 20

Scoring table: IDENTITY-NUC

Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_MA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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	1	15.2	76.0	4317	2	US-08-464-402-1	Sequence 1, Appl
	2	15.2	76.0	4337	4	US-09-187-049-1	Sequence 1, Appl
	3	15.2	76.0	8298	5	PCT-US93-03076-1	Sequence 1, Appl
	4	15.2	76.0	12752	2	US-08-459-146-1	Sequence 1, Appl
	5	15.2	76.0	12752	2	US-08-459-065-1	Sequence 1, Appl
	6	14.8	74.0	2071	4	US-09-023-023-1	Sequence 1, Appl
	7	14.8	74.0	8535	3	US-08-716-351A-1	Sequence 1, Appl
	8	14.4	72.0	920	4	US-09-258-373-2	Sequence 2, Appl
	9	14.4	72.0	1314	1	US-07-662-005A-15	Sequence 15, Appl
	10	14.4	72.0	1875	4	US-09-258-373-21	Sequence 21, Appl
	11	14.4	72.0	2135	3	US-08-581-148C-17	Sequence 17, Appl
	12	14.4	72.0	3648	1	US-08-053-614-3	Sequence 1, Appl
	13	14.4	72.0	3648	1	US-08-316-397B-1	Sequence 1, Appl
	14	14.4	72.0	3648	1	US-09-034-306-3	Sequence 1, Appl
	15	14.4	72.0	3648	5	US-09-259-437-1	Sequence 1, Appl
	16	14.4	72.0	3648	5	PCT-US93-09782-1	Sequence 1, Appl
	17	14.4	72.0	4821	1	US-08-053-614-3	Sequence 3, Appl
	18	14.4	72.0	4821	1	US-08-316-397B-1	Sequence 3, Appl
	19	14.4	72.0	4821	2	US-09-034-306-3	Sequence 3, Appl
	20	14.4	72.0	4821	5	US-09-259-437-3	Sequence 3, Appl
	21	14.4	72.0	4821	5	PCT-US93-09782-3	Sequence 3, Appl
	22	14.4	72.0	5925	3	US-08-470-260-4	Sequence 4, Appl
	23	14.4	72.0	5925	3	US-08-471-491-4	Sequence 4, Appl
	24	14.4	72.0	5925	4	US-08-466-662-4	Sequence 4, Appl
	25	14.4	72.0	10299	2	US-08-477-451-1	Sequence 1, Appl
	26	14.4	72.0	10299	2	US-08-477-451-5	Sequence 5, Appl
	27	14.4	72.0	19932	2	US-08-477-451-25	Sequence 25, Appl

c	28	14.2	71.0	460	2	US-08-487-727A-1	Sequence 1, Appl
	29	14.2	71.0	580	1	US-08-272-255-19	Sequence 19, Appl
	30	14.2	71.0	580	5	PCT-US95-08565-19	Sequence 19, Appl
	31	14.2	71.0	688	4	US-08-998-416-697	Sequence 697, App
	32	14.2	71.0	874	1	US-08-850-119-2	Sequence 2, Appl
	33	14.2	71.0	911	1	US-08-745-603-1	Sequence 1, Appl
	34	14.2	71.0	1569	2	US-08-923-772-1	Sequence 1, Appl
	35	14.2	71.0	1617	2	US-08-735-041A-1	Sequence 1, Appl
	36	14.2	71.0	1617	3	US-09-190-476B-1	Sequence 1, Appl
	37	14.2	71.0	1617	3	US-09-190-889A-1	Sequence 1, Appl
	38	14.2	71.0	1617	4	US-09-190-889A-1	Sequence 1, Appl
	39	14.2	71.0	1686	1	US-08-324-483-1	Sequence 1, Appl
	40	14.2	71.0	1747	2	US-08-522-421-5	Sequence 5, Appl
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	42	14.2	71.0	1812	3	US-09-190-476B-3	Sequence 3, Appl
	43	14.2	71.0	1812	3	US-09-190-889A-3	Sequence 3, Appl
	44	14.2	71.0	1812	4	US-09-190-938B-3	Sequence 3, Appl
	45	14.2	71.0	2103	2	US-08-735-041A-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-464-402-1
Sequence 1, Application US/08464402
Patent No. 5858705
GENERAL INFORMATION:
APPLICANT: WEI, ET AL.
TITLE OF INVENTION: Human DNA Ligase III
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,402
FILING DATE: June 5, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03939
FILING DATE: 31 MAR 95
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION/DOCKET NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-388
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3417 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
US-08-464-402-1

Query Match 76.0%; Score 15.2; DB 2; Length 3417;
Best Local Similarity 85.0%; Pred. No. 63;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 2559 CCAAGTTCACAGGAGG 2578

RESULT 2

US-09-187-049-1
Sequence 1, Application US/09187049
Patent No. 6117666

GENERAL INFORMATION:

APPLICANT: Lampka, Gayle K.

TITLE OF INVENTION: PLASTID PROTEOLYTIC PROCESSING ENZYME

TITLE OF INVENTION: THAT CLEAVES PRECURSOR POLYPEPTIDES

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESS: BRINKS HOFER GILSON & LIONE

STREET: P.O. Box 10395

CITY: Chicago

STATE: IL

COUNTRY: USA

ZIP: 60610

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/187,049

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/695,177

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Martin, Alice O.

REGISTRATION NUMBER: 35,601

REFERENCE/DOCKET NUMBER: 7814/16

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312 321-4200

TELEFAX: 312 321-4299

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4337 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: CDNA

US-09-187-049-1

Query Match 76.0%: Score 15.2; DB 4; Length 4337;

Best Local Similarity 85.0%: Pred. No. 65;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ccaagttcacaagagcagcag 20

Db 2567 CCAAGTTCACAGGAGG 2586

RESULT 3

PCT-US93-03076-1

Sequence 1, Application PC/TUS9303076

GENERAL INFORMATION:

APPLICANT: Whitehead Institute for Biomedical Research

TITLE OF INVENTION: GAP-Associated Protein p190 and

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: 2 Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: US

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/03076

FILING DATE: 19930331

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: WHI92-03A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-861-9540

TELEFAX: 617-861-6240

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 8298 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 731..5272

PCT-US93-03076-1

Query Match 76.0%: Score 15.2; DB 5; Length 8298;

Best Local Similarity 85.0%: Pred. No. 73;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 3763 CCAAGTTCACAGGAGG 3782

RESULT 4

US-08-459-146-1

Sequence 1, Application US/08459146

Patent No. 5866405

GENERAL INFORMATION:

APPLICANT: Choi, Gil Ho

TITLE OF INVENTION: Genetically Engineered Transmissible

TITLE OF INVENTION: Hypovirulence

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:

ADDRESS: George M. Gould, Esq., Hoffmann-La Roche Inc.

STREET: 340 Kingsland Street

CITY: Nutley

STATE: New Jersey

COUNTRY: U.S.A.

ZIP: 07110

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,146

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/832,117

FILING DATE: 06-FEB-1992

ATTORNEY/AGENT INFORMATION:

NAME: Roseman, Catherine R

REGISTRATION NUMBER: 34,240

REFERENCE/DOCKET NUMBER: 8589

TELECOMMUNICATION INFORMATION:

TELEPHONE: (201) 235-6208

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 20, 2001, 00:35:22 ; Search time 394.23 Seconds
(without alignments)
9.399 Million cell updates/sec

Title: US-08-956-991-6
20
Perfect score: 1 cctgatacctgcaggaag 20
Sequence: 1 cctgatacctgcaggaag 20

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgnl_7/ptodata/1/ina/5B.COMB.seq:*
3: /cgnl_7/ptodata/1/ina/6A.COMB.seq:*
4: /cgnl_7/ptodata/1/ina/6B.COMB.seq:*
5: /cgnl_7/ptodata/1/ina/PCYUS.COMB.seq:*
6: /cgnl_7/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	16.8	84.0	1438	3	US-09-187-331-4
2	15.8	79.0	840	4	US-08-998-416-530
3	15.8	79.0	1296	1	US-08-090-523-1
4	15.8	79.0	1296	1	US-08-090-523-3
5	15.8	79.0	1296	1	US-08-398-627-1
6	15.8	79.0	1296	1	US-08-398-627-3
7	15.8	79.0	1296	1	US-08-406-858-1
8	15.8	79.0	1296	1	US-08-406-858-3
9	15.8	79.0	1296	5	PCT-US91-04036-1
10	15.8	79.0	1296	5	PCT-US91-04036-3
11	15.8	79.0	1296	5	PCT-US91-05275-1
12	15.8	79.0	1296	5	PCT-US94-05275-3
13	15.8	79.0	1323	1	US-07-735-065-3
14	15.8	79.0	1323	1	US-08-469-202-13
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22	15.2	76.0	22	4	US-08-589-717B-15
23	15.2	76.0	671	4	US-09-187-117-26
24	15.2	76.0	1186	1	US-08-064-121-2
25	15.2	76.0	1186	1	US-08-478-015-2
26	15.2	76.0	1186	3	US-08-475-975-2
27	15.2	76.0	1186	3	US-09-084-889-2

28	15.2	76.0	1415	1	US-08-257-341-8	Sequence 8, Appl
29	15.2	76.0	1521	3	US-08-646-538-25	Sequence 25, Appl
30	15.2	76.0	1521	3	US-08-646-538-31	Sequence 31, Appl
31	15.2	76.0	1853	1	US-08-404-732A-6	Sequence 6, Appl
32	15.2	76.0	1872	3	US-08-422-108-2	Sequence 2, Appl
33	15.2	76.0	2119	3	US-09-032-372-6	Sequence 6, Appl
34	15.2	76.0	2120	1	US-08-404-732A-4	Sequence 4, Appl
35	15.2	76.0	2150	3	US-09-263-023-1	Sequence 1, Appl
36	15.2	76.0	2220	2	US-08-864-224-1	Sequence 1, Appl
37	15.2	76.0	2224	1	US-08-404-732A-8	Sequence 8, Appl
38	15.2	76.0	2385	2	US-09-146-283-3	Sequence 3, Appl
39	15.2	76.0	2385	3	US-08-579-823A-3	Sequence 3, Appl
40	15.2	76.0	2385	4	US-09-344-195-3	Sequence 3, Appl
41	15.2	76.0	2409	1	US-09-263-023-3	Sequence 3, Appl
42	15.2	76.0	2445	1	US-08-122-520C-8	Sequence 8, Appl
43	15.2	76.0	2529	3	US-08-461-607-1	Sequence 1, Appl
44	15.2	76.0	2529	4	US-09-363-600-1	Sequence 1, Appl
45	15.2	76.0	3176	6	5212080-1	Patent No. 5212080

ALIGNMENTS

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RESULT 1
US-09-187-331-4
: Sequence 4, Application US/09187331
: Patent No. 6043056
: GENERAL INFORMATION:
: APPLICANT: Yue, Henry
: APPLICANT: Corley, Neil C.
: APPLICANT: Gorgone, Gina A.
: APPLICANT: Baughn, Mariah R.
: TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
: FILE REFERENCE: PF-0631 US
: CURRENT APPLICATION NUMBER: US/09/187,331
: CURRENT FILING DATE: 1998-11-06
: NUMBER OF SEQ. ID NOS.: 6
: SOFTWARE: PERL Program
: SEQ ID NO 4
: LENGTH: 1438
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE: -
: OTHER INFORMATION: 2705267
US-09-187-331-4

Query Match      84.0%   Score 16.8;   DB 3;   Length 1438;
Best Local Similarity 90.0%   Pred. No. 14;
Matches 18;   Conservative 0;   Mismatches 2;   Indels 0;   Gaps 0;

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Db      863      cctgatacctgcaggaag 882

RESULT 2
US-08-998-416-530/C
: Sequence 530, Application US/08998416
: Patent No. 6239264
: GENERAL INFORMATION:
: APPLICANT: Philippsen, Peter
: APPLICANT: Pohlmann, Rainor
: APPLICANT: Steiner, Sabine
: APPLICANT: Mohr, Christine
: APPLICANT: Wendland, Jürgen
: APPLICANT: Knechtle, Philipp
: APPLICANT: Redtschung, Corinne
: TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPTII
: TITLE OF INVENTION: AND USES THEREOF
: NUMBER OF SEQUENCES: 1152
: CORRESPONDENCE ADDRESS:
```

ADDRESSEE: No. 6239264rtis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264ln Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 530:
SEQUENCE CHARACTERISTICS:
LENGTH: 840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1370UP
US-08-998-416-530

Query Match 79.0%; Score 15.8; DB 4; Length 840;
Best Local Similarity 89.5%; Pred. No. 40;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 607 CTGTATGACCTGCTGCAGG 589

RESULT 3
US-08-090-523-1
Sequence 1, Application US/08090523
Patent No. 5498830
GENERAL INFORMATION:
APPLICANT: Barry, Gerard F.
APPLICANT: Kishore, Ganesh M.
APPLICANT: Stark, David M.
TITLE OF INVENTION: Enhanced Starch Biosynthesis
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Grace L. Bonner, Monsanto Co. BBAF
STREET: 700 Chesterfield Parkway No. 5498830th
CITY: St. Louis
STATE: Missouri
COUNTRY: USA
ZIP: 63198
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/090,523
FILING DATE: 19930712
CLASSIFICATION: 800
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/709663
FILING DATE: 07-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/539763
FILING DATE: 18-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Bonner, Grace L.
REGISTRATION NUMBER: 32,963
REFERENCE/DOCKET NUMBER: 38-21(10559)A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 537-7286
TELEFAX: (314) 537-6047
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1296 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1293
US-08-090-523-1

Query Match 79.0%; Score 15.8; DB 1; Length 1296;
Best Local Similarity 89.5%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 667 CTGTATGACCTGCTGCAGG 685

RESULT 4
US-08-090-523-3
Sequence 3, Application US/08090523
Patent No. 5498830
GENERAL INFORMATION:
APPLICANT: Barry, Gerard F.
APPLICANT: Kishore, Ganesh M.
APPLICANT: Stark, David M.
TITLE OF INVENTION: Enhanced Starch Biosynthesis
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Grace L. Bonner, Monsanto Co. BBAF
STREET: 700 Chesterfield Parkway No. 5498830th
CITY: St. Louis
STATE: Missouri
COUNTRY: USA
ZIP: 63198
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/090,523
FILING DATE: 19930712
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/709663
FILING DATE: 07-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/539763
FILING DATE: 18-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Bonner, Grace L.
REGISTRATION NUMBER: 32,963
REFERENCE/DOCKET NUMBER: 38-21(10559)A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 537-7286
TELEFAX: (314) 537-6047

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OM nucleic - nucleic search, using sw model

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395,681 Million cell updates/sec

Title: US-08-956-991-7
Perfect score: 842
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Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 635060

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Prod. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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5	39.2	4.7	12001	1	US-08-458-568A-11
6	38.4	4.6	3588	1	US-08-197-792-32
7	38.4	4.6	3588	1	US-08-459-850-32
8	38.4	4.6	3588	1	US-08-459-214-32
9	38	4.5	1524	1	US-08-716-942-24
10	38	4.5	2900	2	US-08-034-650-9
11	38	4.5	2900	1	US-08-449-015-9
12	36.6	4.3	3695	1	US-08-091-569-1
13	36.6	4.3	3695	1	US-08-203-676-1
14	36.6	4.3	3695	2	US-08-822-238-1
15	36.6	4.3	7218	1	US-08-237-463-14
16	35.4	4.2	4743	3	US-08-903-800A-3
17	35.2	4.2	4743	3	US-09-339-964-1
18	34.8	4.1	3802	1	US-08-404-354B-2
19	34.8	4.1	3802	1	US-08-314-083B-2
20	34.8	4.1	3802	1	US-08-435-675B-2
21	34.8	4.1	3802	1	US-08-336-257A-4
22	34.8	4.1	3802	3	US-08-884-599-2
23	34.8	4.1	3802	6	5386025-7
24	34.8	4.1	50341	1	US-08-247-901C-1
25	34.8	4.1	50341	2	US-09-075-904-1
26	34.8	4.1	52297	1	US-09-426-436-1
27	34.2	4.1	838	4	US-09-062-416-19

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29	34.2	4.1	1550	2	US-08-475-359-17	Sequence 17, Appl
30	34.2	4.1	1550	2	US-08-802-322-2	Sequence 2, Appl1
31	34.2	4.1	1550	3	US-08-465-887A-17	Sequence 17, Appl
32	34.2	4.1	1550	3	US-08-895-601-3	Sequence 3, Appl1
33	34	4.0	152331	4	US-09-128-155-16	Sequence 16, Appl
34	33.8	4.0	2638	1	US-08-306-691B-46	Sequence 46, Appl
35	33.6	4.0	1227	2	US-08-903-800A-3	Sequence 1, Appl1
36	33.4	4.0	28804	2	US-08-592-874-1	Sequence 1, Appl1
37	33.4	4.0	28804	3	US-09-096-942-2	Sequence 2, Appl1
38	33.4	4.0	28804	3	US-09-096-867-2	Sequence 29, Appl1
39	33	3.9	1776	1	US-08-722-001-29	Sequence 1, Appl1
40	33	3.9	1848	1	US-08-635-137-1	Sequence 1, Appl1
41	33	3.9	1848	4	US-09-136-981-1	Sequence 1, Appl1
42	33	3.9	2140	1	US-08-334-696-1	Sequence 1, Appl1
43	33	3.9	2140	1	US-08-228-932-1	Sequence 1, Appl1
44	33	3.9	2140	1	US-08-468-939-1	Sequence 1, Appl1
45	33	3.9	2140	2	US-08-406-855A-1	Sequence 1, Appl1

ALIGNMENTS

RESULT 1
US-08-752-307B-6
Sequence 6, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Geating, David P.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110 2804
COMPUTER READABLE FORM
MEDIUM TYPE: diskette
OPERATING SYSTEM: IBM compatible
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: McKiejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SMO ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 99...1493
US-08-752-307B-6

GenCore version 4.5
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(without alignments)
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Title: US-08-956-991-9

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Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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C 3	40.2	1.8	7881	2	US-09-060-836-1 Sequence 1, Appl
C 4	40.2	1.8	7881	4	US-09-184-445-1 Sequence 1, Appl
5	33.8	1.6	1171	1	US-08-336-257A-1 Sequence 1, Appl
6	33.8	1.6	1171	6	5386025-1 Patent No. 5386025
C 7	32.8	1.5	2152	1	US-08-188-582-17 Sequence 17, Appl
C 8	32.8	1.5	2152	1	US-08-646-715-17 Sequence 17, Appl
C 9	32.6	1.5	1396	1	US-08-123-161A-11 Sequence 11, Appl
C 10	32.6	1.5	1396	1	US-08-483-278-11 Sequence 11, Appl
C 11	32.2	1.5	2085	2	US-08-283-917-8 Sequence 8, Appl
C 12	32.2	1.5	2085	2	US-08-961-716-8 Sequence 8, Appl
C 13	32	1.5	1506	1	US-07-937-603-13 Sequence 13, Appl
C 14	32	1.5	1506	1	US-08-029-170-13 Sequence 13, Appl
C 15	31.8	1.5	533	6	5482709-5 Patent No. 5482709
C 16	31.8	1.5	533	6	5273901-6 Patent No. 5273901
C 17	31.6	1.5	3256	2	US-08-968-751-3 Sequence 3, Appl
C 18	31.6	1.5	3923	4	US-08-860-635A-20 Sequence 20, Appl
C 19	31.4	1.4	3640	2	US-08-627-873-6 Sequence 6, Appl
C 20	31.4	1.4	26700	1	US-08-472-217-1 Sequence 1, Appl
C 21	31.4	1.4	26700	3	US-08-488-199-5 Sequence 5, Appl
C 22	31.4	1.4	26700	3	US-08-760-534A-1 Sequence 1, Appl
C 23	31.2	1.4	1569	2	US-08-145-658D-23 Sequence 23, Appl
C 24	31.2	1.4	9595	4	US-09-014-416-4 Sequence 4, Appl
C 25	31.2	1.4	9595	4	US-09-014-416-6 Sequence 6, Appl
C 26	31	1.4	1221	3	US-08-965-600-2 Sequence 2, Appl
C 27	31	1.4	2521	1	US-08-368-803-16 Sequence 16, Appl

28	31	1.4	2521	2	US-08-578-096A-18	Sequence 18, Appl
29	31	1.4	2521	3	US-08-790-517-8	Sequence 8, Appl
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31	31	1.4	2521	4	US-09-219-932-14	Sequence 14, Appl
32	30.8	1.4	1050	1	US-08-599-252-81	Sequence 81, Appl
33	30.8	1.4	1050	1	US-08-436-074-54	Sequence 54, Appl
34	30.8	1.4	1050	5	PCT-US96-06352-81	Sequence 81, Appl
35	30.8	1.4	1050	5	PCT-US96-06583-81	Sequence 81, Appl
C 36	30.6	1.4	397	4	US-09-253-691-3	Sequence 3, Appl
C 37	30.6	1.4	2149	1	US-08-784-651-3	Sequence 3, Appl
C 38	30.6	1.4	2481	3	US-08-899-578-1	Sequence 1, Appl
C 39	30.6	1.4	15231	4	US-09-128-155-16	Sequence 16, Appl
C 40	30.6	1.4	176373	4	US-09-128-155-17	Sequence 17, Appl
C 41	30.4	1.4	1365	1	US-08-420-235B-32	Sequence 32, Appl
C 42	30.4	1.4	1365	4	US-08-793-624-32	Sequence 32, Appl
C 43	30.4	1.4	1365	5	PCT-US95-10194-32	Sequence 32, Appl
44	30.4	1.4	1501	2	US-08-145-658D-24	Sequence 24, Appl
45	30.4	1.4	1566	2	US-08-145-658D-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14/C
: Sequence 14, Application US/08232463
: Patent No. 5670367
: GENERAL INFORMATION:
: APPLICANT: DORNER, F.
: APPLICANT: SCHEIFLINER, F.
: APPLICANT: FALKNER, F. G.
: TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
: NUMBER OF SEQUENCES: 52
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Foley & Lardner
: STREET: 1800 Diagonal Road, Suite 500
: CITY: Alexandria
: STATE: VA
: COUNTRY: USA
: ZIP: 22313-0299
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/232,463
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/935,313
: FILING DATE:
: APPLICATION NUMBER: EP 91 114 300.6
: FILING DATE: 26-AUG-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: BENT, Stephen A.
: REGISTRATION NUMBER: 29,768
: REFERENCE/DOCKET NUMBER: 30472/114 IMMU
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)836-9300
: TELEFAX: (703)683-4109
: TELE: 899149
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: CLONE: pTZgpt-F15
: US-08-232-463-14

GenCore version 4.5
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Title: US-08-956-991-11

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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8	717.5	8.7	1018	1	US-08-040-741-6
9	705	8.6	1018	3	US-08-452-052-2
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12	657	8.0	1911	4	US-09-158-657-5
13	657	8.0	1911	5	PCT-US94-10166-5
14	515	6.3	1501	2	US-08-447-464-3
15	515	6.3	1501	2	US-08-716-679-3
16	435.5	5.3	607	2	US-08-752-307B-12
17	421	5.3	1241	4	US-09-040-774-2
18	411	5.0	612	2	US-08-752-307B-11
19	391	4.8	596	2	US-08-752-307B-13
20	390	4.7	605	2	US-08-752-307B-9
21	386	4.7	605	2	US-08-752-307B-8
22	380	4.6	828	1	US-08-261-304-2
23	370.5	4.5	630	2	US-08-752-307B-14
24	342.5	4.2	611	2	US-08-752-307B-10
25	338	4.1	2231	1	US-08-153-799-16
26	336.5	4.1	2327	6	5455158-1
27	332.5	4.0	2386	2	US-09-016-366A-1 ;

28	330.5	4.0	2324	1	US-08-283-857-1	Sequence 1, Appl1
29	330.5	4.0	2324	5	PCT-US95-09819-1	Sequence 1, Appl1
30	323	3.9	2447	2	US-08-551-356-2	Sequence 2, Appl1
31	323	3.9	2446	5	PCT-US93-12687-2	Sequence 2, Appl1
32	316	3.8	1336	2	US-08-551-356-6	Sequence 6, Appl1
33	316	3.8	1336	5	PCT-US93-12687-6	Sequence 6, Appl1
34	305.5	3.7	1338	3	US-08-750-141A-3	Sequence 3, Appl1
35	305	3.7	780	1	US-08-232-538-14	Sequence 14, Appl1
36	305	3.7	780	2	US-08-786-164-14	Sequence 14, Appl1
37	304.5	3.7	1311	1	US-08-340-011-5	Sequence 5, Appl1
38	304.5	3.7	1311	3	US-08-901-710-5	Sequence 5, Appl1
39	301.5	3.7	739	5	PCT-US93-00031-9	Sequence 9, Appl1
40	301	3.7	642	1	US-08-217-299-1	Sequence 1, Appl1
41	301	3.7	642	1	US-08-261-304-7	Sequence 7, Appl1
42	301	3.7	698	2	US-08-602-725-36	Sequence 36, Appl1
43	301	3.7	734	2	US-08-389-459A-17	Sequence 17, Appl1
44	301	3.7	734	3	US-08-987-867A-17	Sequence 17, Appl1
45	298	3.6	751	2	US-08-874-678-1	Sequence 1, Appl1

ALIGNMENTS

RESULT 1
US-08-752-307B-5
Sequence 5, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Gearing, David P.
APPLICANT: Levinson, Douglas A.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/020001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 465 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-752-307B-5

Query Match 17.7% ; Score 1459.5 ; DB 2: Length 465;
Best Local Similarity 57.1% ; Pred. No. 9.1e-95;

Matches 265; Conservative 81; Mismatches 117; Indels 1; Gaps 1;

QY 1 MWLLA-LSLFOSRANFSEEDLHSLTYFVANAIOEVFASTTGTVCPAGGIPVYTIKRY 59
Db 1 MMLVTFLLLDLSHKARPEDVGTSLFVNDSLOOVFFSSVGVVPCPAGGSAAALRWY 60
QY 60 LATVEELIYDPGIRHVNPNCTLQIFPPFPSPSTLIDHNTYVCTAENPGKIRISODVHIK 119
Db 61 LATDDLDIYDPHRIHVIANCTLDLIPSPSAFNSFIHNDYFCTATNAGKIRSPRIKRY 120
QY 120 AVLEPPTVAREDOKTRGNVAVFKCIIPSSVEAYITVVSWEKDVIYSLVSGRFLITSTG 179
Db 121 AVFREPTVAREDOGRSMGNVAVFKCLIPSSVOEYVSVSWEKDVTISIIPENFFITVHG 180
QY 180 ALYIKDVQNEDEGLYNVCICITRRHYRTGETRQNSARLFLVSDPANSASISIDGPDHRAMG 239
Db 181 GLYISDVQKEALDVLSTGCTIKHKYSGETROSNSARLSTVDPASIFPLIDGHRSDQEWAG 240
QY 240 QRVELPCKALGNHPEPDYRWMLKDMMPELSRFOKTYTGLILENIRPSDSGYVCEVSNRY 299
Db 241 HTVELPCTASGYPIPAIRWMLKDGPRLPADSRWTKRRLTGTLISDLRTEDSGTYICEVTFN 300
QY 300 GTAATVIGRLYKOPRLAKTISPRKYKSSVGSQVLSGSYGTGEDQELSMYRNGEILNPKN 359
Db 301 GSAETGTGLMWIDPLHATYTLPPKKLKTGIGSTVILSCALTSPEFTIRWRLNELVELYLPDEA 360
QY 420 PAEPVSLMCNVKGTPLPTITWTLDDDFILKGGSHRISQMTTSSG 463
Db 421 PGEQFSLMCVAKGAPPTVWALDDEPIVDRGSHRTNYYTMSDG 464

RESULT 2
US-08-752-307B-7
Sequence 7, Application US/08752307B
Patent No. 5952171
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
APPLICANT: Gearthy, David P.
APPLICANT: Levinson, Douglas A.
TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752.307B
FILING DATE: 19-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Melkielejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/020001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154

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1 INFORMATION FOR SEQ ID NO: 7:
2     SEQUENCE CHARACTERISTICS:
3         LENGTH: 462 amino acids
4         TYPE: amino acid
5         TOPOLOGY: linear
6     MOLECULE TYPE: protein
7     US-08-752-307B-7
8
9 Query Match      17.7%; Score 1451.5; DB 2; Length 462;
10 Best Local Similarity 57.1%; Pred. No. 3,3e-94;
11 Matches 264; Conservative 80; Mismatches 117; Indels 1; Gaps 1;
12
13 1 MWLLA-LSLPSHFANFSEDIHSSLYFVNASIOEYVASTTGLVPCPAIGPVTLMRY 59
14   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
15 1 MLVLTFLLLDLSLHKRRPDEVGTSLYFVNDLSIQVTFSSGCVVYPCPAGSPSAAALRM 60
16
17 60 LATGEELIYDVGIRHVNPGTILQIFPPYPSSTSLIDHNTTYCTAENPSCKIRSDYHIR 119
18   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
19 61 LATGDDIYDVPRIKHVHANGTILQIFPSAFAFNSFIDHNDPCTAEAAAKIRSPNIRVK 120
20
21 120 AVIREPTVVEEDQKTRMGNAVVFRCILIPSSVEAYITVSWKEDTVSLGSRFLFTSTG 179
22   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
23 121 AVIREPTVVEEDQKTRMGNAVVFRCILIPSSVEAYITVSWKEDTVSLGSRFLFTSTG 180
24
25 180 ALYIKDVONEDGLYNYKCIITKHRYGETGRQSNARLFYSDPANSAPILDGFHKRAMAG 239
26   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
27 181 GLVTSIDQKEDALSTKCIITKHRYGETGRQSNARLFYSDPANSAPILDGFHKRAMAG 240
28
29 240 QVELPECKALGHEPPIYHMLKDNMPLLEISGRQKTVTGTLLEIRPDSGSYCEVSNRY 299
30   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
31 241 HYELPCTASGTYIPAIKMLKDGRIPLADSRKTKITGLTISLRTEDSGTTCYEVNTNF 300
32
33 300 GTAKVTGLHYVKQPLKATISPKKRVSSVGSQVSLSCSVLTGEDLSWYNGEILNPKN 359
34   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
35 301 GSAEATGILAVIDPLHVTLPKKLKTGTIGSPVILSCALTGSPFTIHWYRNTIELVLPDEA 360
36
37 360 VRLTGLIHENLIMDHVKSDDGCAVOCFVARKDLSADQVYVVLVDGPKIISAFSEKVV 419
38   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
39 361 ISIHGSLNEELLLTFSKOKSHSAYOCFATRKAKQTADYATIALDEGTPRIYVSFSEKVV 420
40
41 420 PAEVSILMCNVKCTPLPTTYWFLDDDPFLIKGSHNISOMITNS 461
42   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
43 421 PGEOFSLMCAKCAPPTVYMALDDEPLVRODSHTNGYTMS 462
44
45 RESULT 3
46 US-09-041-986-25
47     Sequence 25, Application US/09/041886
48     Patent No. 6,235,872
49     GENERAL INFORMATION:
50         APPLICANT: Bredesen, Dale F.
51         APPLICANT: Rahizadeh, Shafroz
52         TITLE OF INVENTION: Proapoptotic Peptides, Dependence
53         NUMBER OF INVENTION: Polypeptides and Methods of use
54         NUMBER OF SEQUENCES: 72
55         CORRESPONDENCE ADDRESS:
56             ADDRESSEE: Campbell & Flores LLP
57             STREET: 4370 La Jolla Village Drive, Suite 700
58             CITY: San Diego
59             STATE: California
60             COUNTRY: United States
61             ZIP: 92122
62     COMPUTER READABLE FORM:
63         MEDIUM TYPE: Floppy disk
64         COMPUTER: IBM PC compatible
65         OPERATING SYSTEM: PC-DOS/MS-DOS
66         SOFTWARE: PatentIn Release #1.0, Version #1.25
67         CURRENT APPLICATION DATA:
68             APPLICATION NUMBER: US/09/041,886
69             FILING DATE:
70             CLASSIFICATION:
71             ATTORNEY/AGENT INFORMATION:

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